

OCZ Z-Drive R2 e88

512GB PCI-Express x8 SSD

Design and Technology:

Z-Drive R2 e88 is designed to meet the demanding storage and computing applications of enterprise servers storage arrays, super computing and data warehousing. The Z-Drive delivers faster more reliable data transfer and reduced power consumption. Unlike other solutions, the Z-Drive provides a cost-effective formula of performance, reliability, and upkeep for enterprise customers and their applications which require the benefits of solid state drive technology.



Applications:

- Workstation PCs - Servers

Physical Specifications		Performance Specifications	
Capacity:	512 GB	Max Read:	up to 1400 MB/s
NAND Flash Components:	Single-Level Cell (SLC) NAND Flash Memory	Max Write:	up to 1400 MB/s
Interface:	PCI-Express Gen. 1	Sustained Write:	up to 950 MB/s
Form Factor:	PCI-Express x8 Full Height Slot	Cache:	512 MB on board Cache
Physical Dimensions:	257.43 (L) x 21.59 (W) x 126.31mm(H)	Max Random Write IOPS:	7,200 IOPS (4KB 32QD)
Reliability Specifications		Max Random Read IOPS:	29,000 IOPS (4KB 32QD)
Life Expectancy:	1.0 million hours Mean Time Before Failure (MTBF)	Power Consumption:	Active: 20 Watts
Reliability:	ECC is BCH with 8, 12 or 16 bits correctable, depending on NAND	Performance Optimization:	Background Garbage Collection
Product Health Monitoring:	Self-Monitoring, Analysis and Reporting Technology	Compatibility	
Environmental Specifications		PCI Express:	Fully compliant with the PCIe Electromechanical Specification Rev. 1.1, and with the PCI Express Base Specification Rev. 1.1
Operating Temperature:	0C ~ +70C	OS Compatibility:	Windows XP 32 Bit; Windows XP 64 Bit; Windows Vista 32 Bit; Windows Vista 64 Bit; Windows 7 32 Bit; Windows 7 64 Bit; Apple OS X (Coming Soon)
Storage Temperature:	-45C ~ +85C	Power Requirements:	Powered by the PCI-Express x8 Bus
Shock Resistance:	1500G	Part Number	UPC
Certifications:	RoHS, CE, FCC	OCZSSDPX-ZD2E88512G	842024016939

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Mechanical Specifications

